

Exam Date and Time

- Tuesday, April 13, 2021
- 9 am – 1 pm

Total Exam Points = 100

Part 1 – Online using Pearson

- 19 multi-part questions
- 86 points total
- Handwritten and/or Excel file to be submitted to the Final Exam Dropbox in Canvas
- Please refer to the Final Exam Topic List posted on Canvas

Part 2 – Reflection Questions

- Two questions
- 14 points total (each question is worth 7 points)
- First question “Statistics in Life” everyone is required to answer
- Second question – choose ONE from the list provided (a – d)
- Submit both questions to their respective Dropbox (look for question name)
- Turnitin will be used
- **Review the rubric** so you understand how these questions will be graded
 - Rubric is the last page of this document

Question 1 - Statistics in Life

➤ *Everyone is required to answer this question*

This semester we learned how to collect, interpret, analyze and communicate data. Reflect on the statistical concepts we learned this semester.

- Provide one example (something you heard on the news, saw on social media, discovered at work or perhaps learned in another course) in which your statistical knowledge helped you understand the problem or statement.

Question 2 – *Choose ONE of the following*

a) Persistence

Persistence, according to the Merriam Dictionary is “the quality that allows someone to continue doing something or trying to do something even though it is difficult...”. Often the key to learning and understanding is the ability to persist; making mistakes and trying again.

Think of one question you worked on this semester that you found challenging to understand and solve. This question could be from a Pearson homework assignment, a Pearson quiz, or a Canvas Excel quiz.

- Explain how you struggled with the question.
 - What did you learn about the statistical topic and about yourself by not giving up?
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b) Curiosity

As we have learned throughout this course, statistics is much more than numbers, tables and graphs. It is also the ability to analyze, question and interpret data. Reflect on what you have learned throughout this semester.

- What statistical topic are you curious to learn more about?
 - Describe why this topic is interesting to you.
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c) Helping Others

Imagine you are meeting a student who is about to take this course. Reflect on the course structure, content and assessments. To prepare this student for their statistical journey, what advice would you offer?

- Describe and explain in detail two strategies you believe would help this student to be successful in this course.
 - If you could take this course over again, what you would do differently?
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d) Learning Stats can be Fun

Consider the following four topics: boxplots and the five-number summary, confidence intervals, hypothesis testing and linear regression. Which of those topics did you enjoy learning about the most?

- Summarize this topic in your own words as if you were explaining it to someone who just registered for this course.
- Create an exam question that you think would be fun to solve using the topic you chose above.

RUBRIC for Reflection Questions

Both questions will use this rubric – maximum 7 points for each question

Criteria	Level of Achievement			Total Score
	Proficient	Adequate	Limited	
Depth of Answer	Demonstrates clear understanding of the question and subject matter. 3/3	Demonstrates limited understanding of the question and subject matter. 1.5/3	Demonstrates no understanding of the question and subject matter. 0/3	/3
Use of artifacts and/or examples to support ideas.	Uses specific examples and/or artifacts to support ideas. 3/3	Uses vague examples to support ideas. 1.5/3	No examples and/or artifacts used to support ideas. 0/3	/3
Organization, spelling, and grammar.	Response is well organized. No spelling or grammar errors. 1/1	Response is somewhat organized. A few spelling and/or grammar errors. 0.5/1	Response is disorganized. Many spelling and grammar errors. 0/1	/1